

FIG. 1

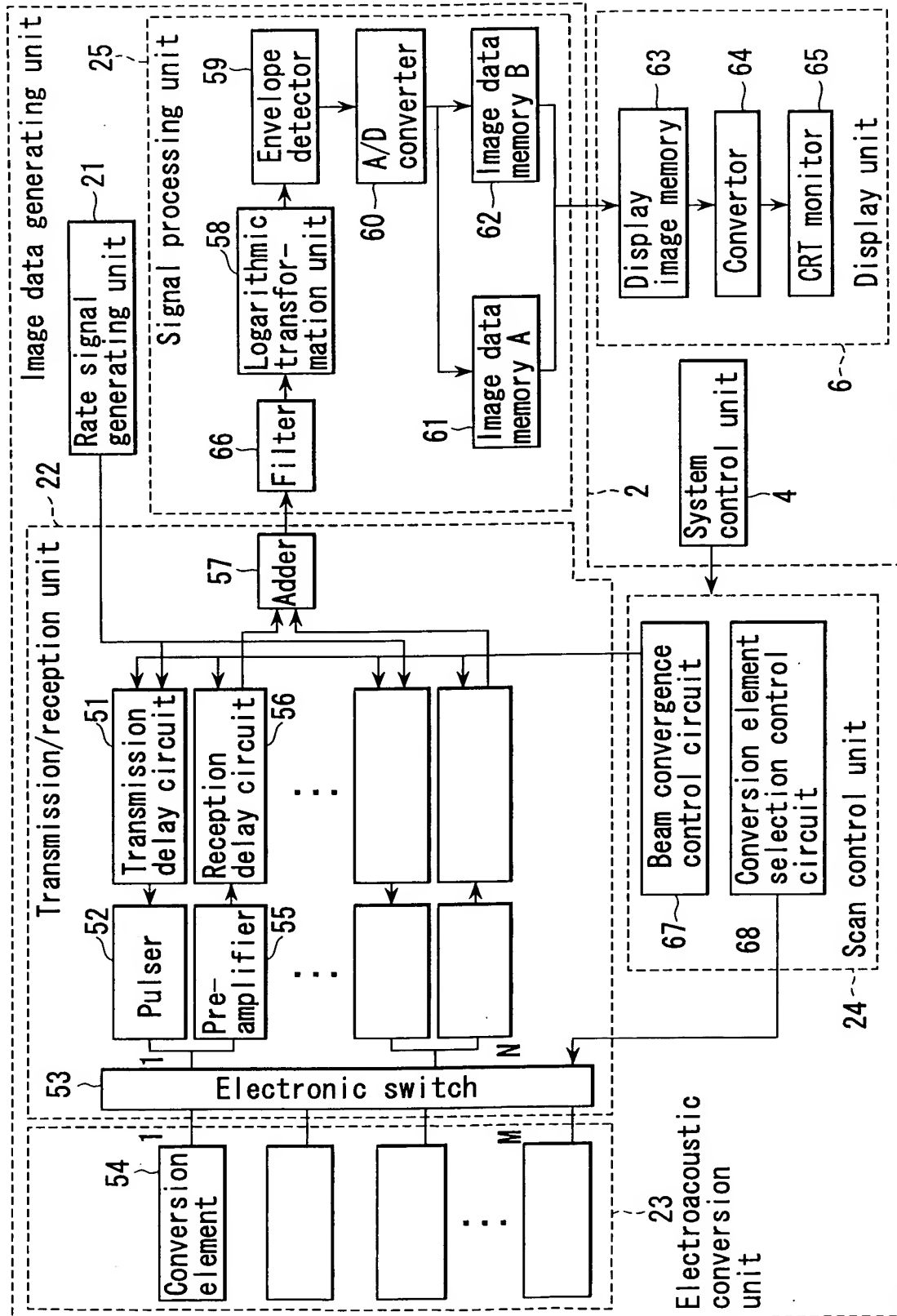


FIG. 2

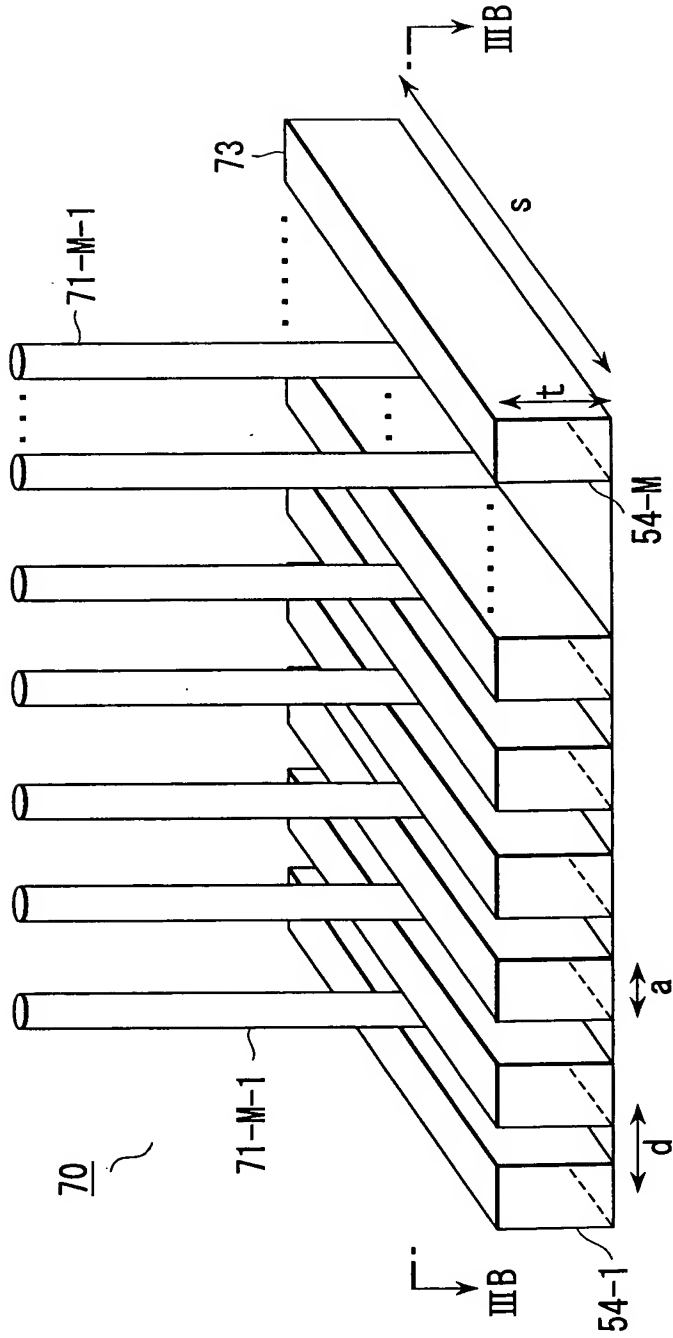


FIG. 3A

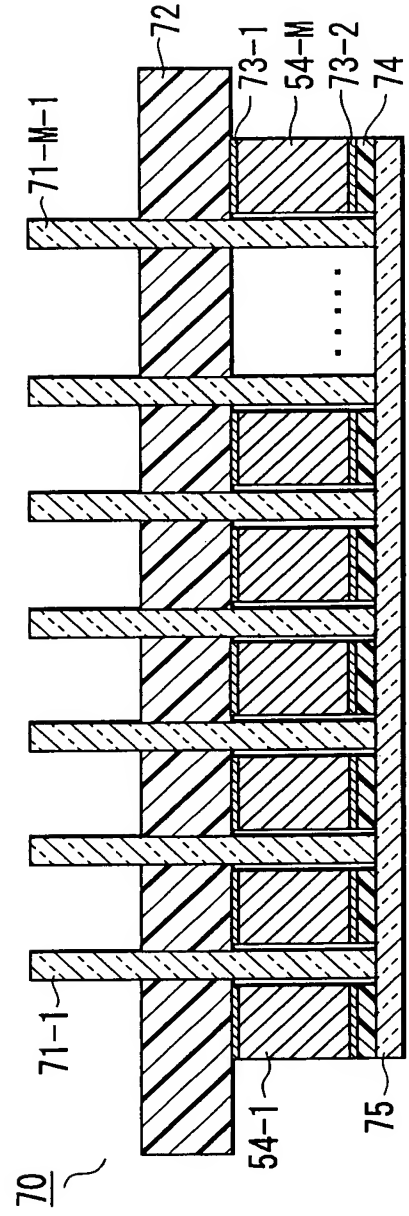
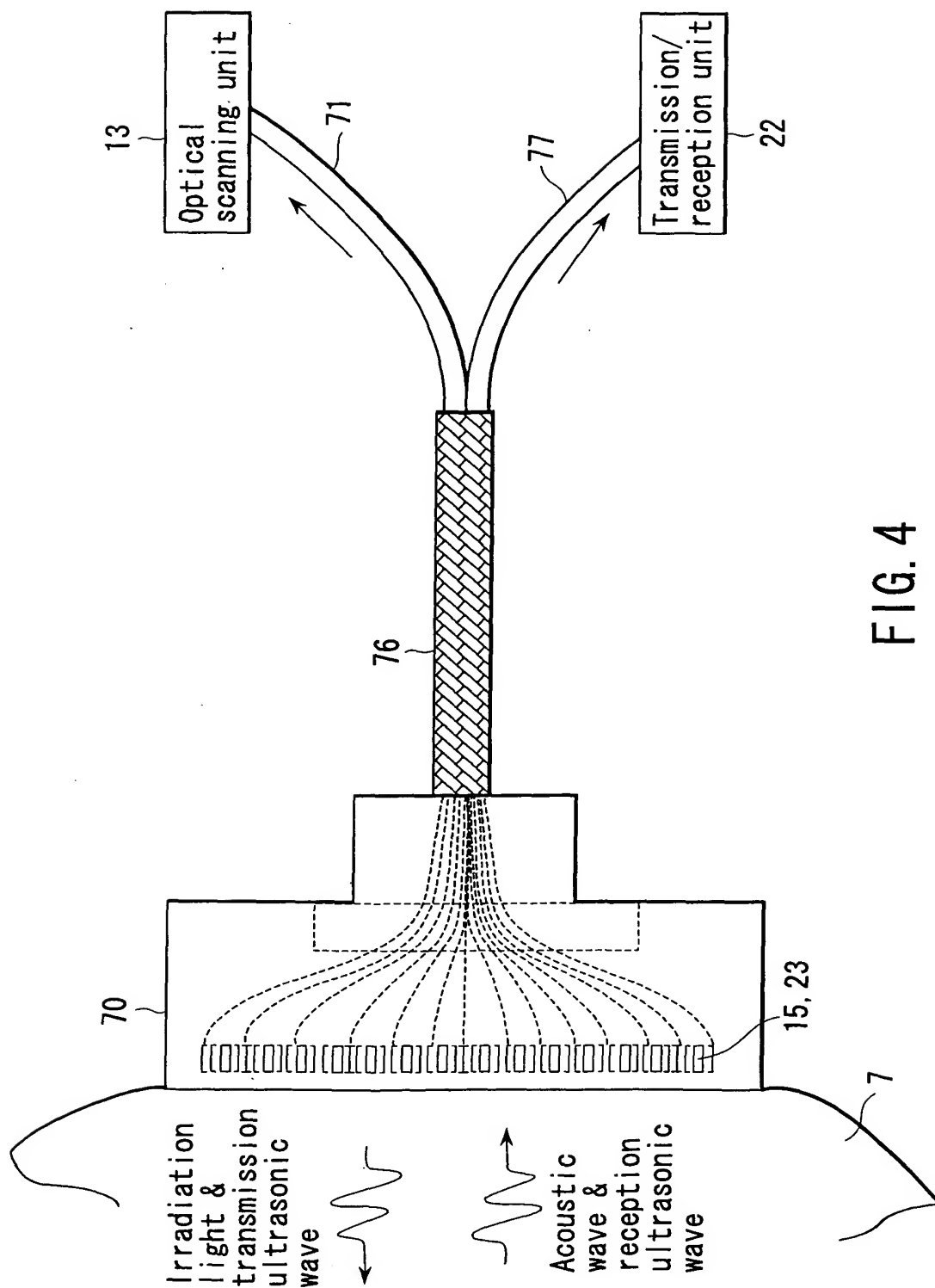
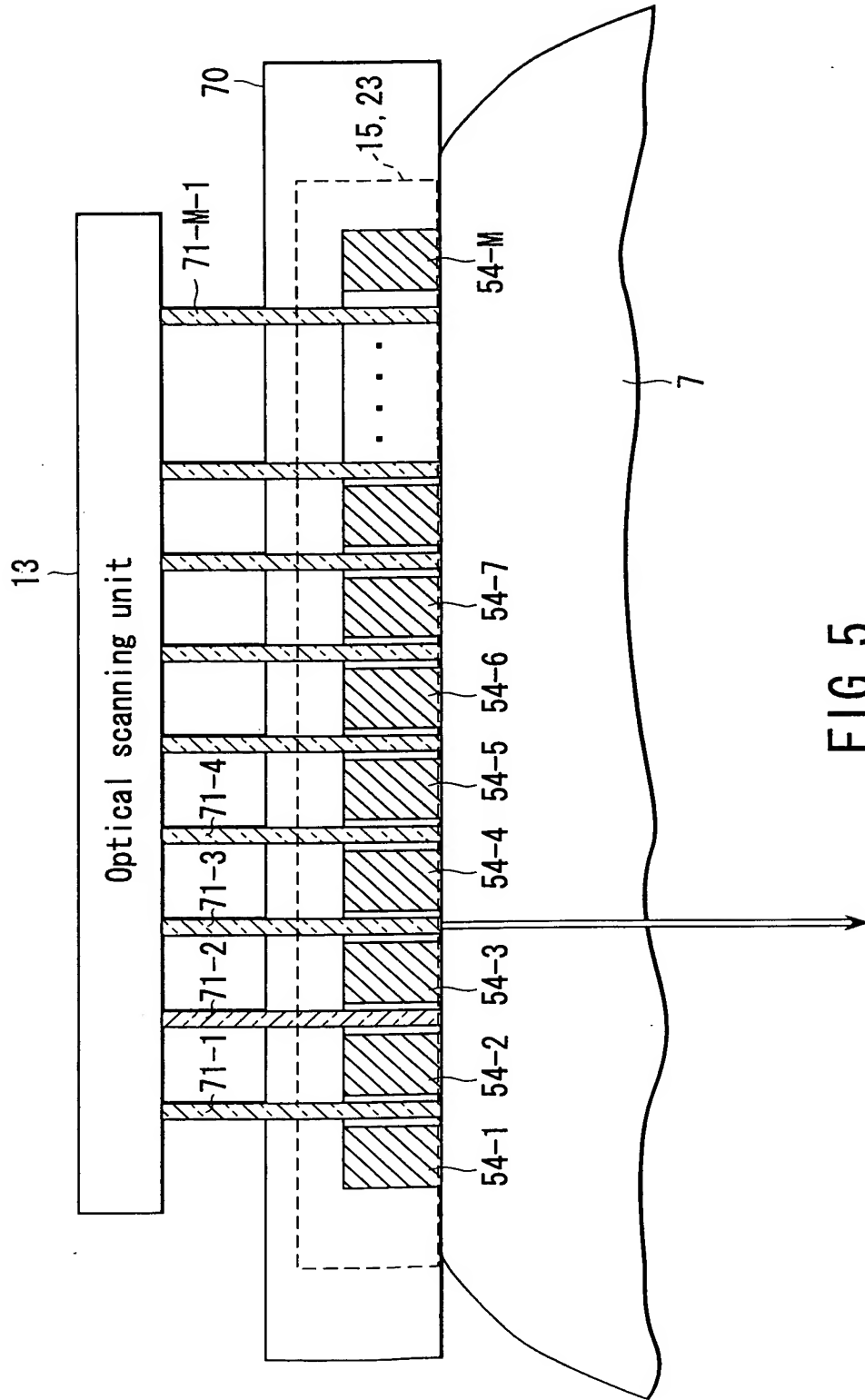


FIG. 3B





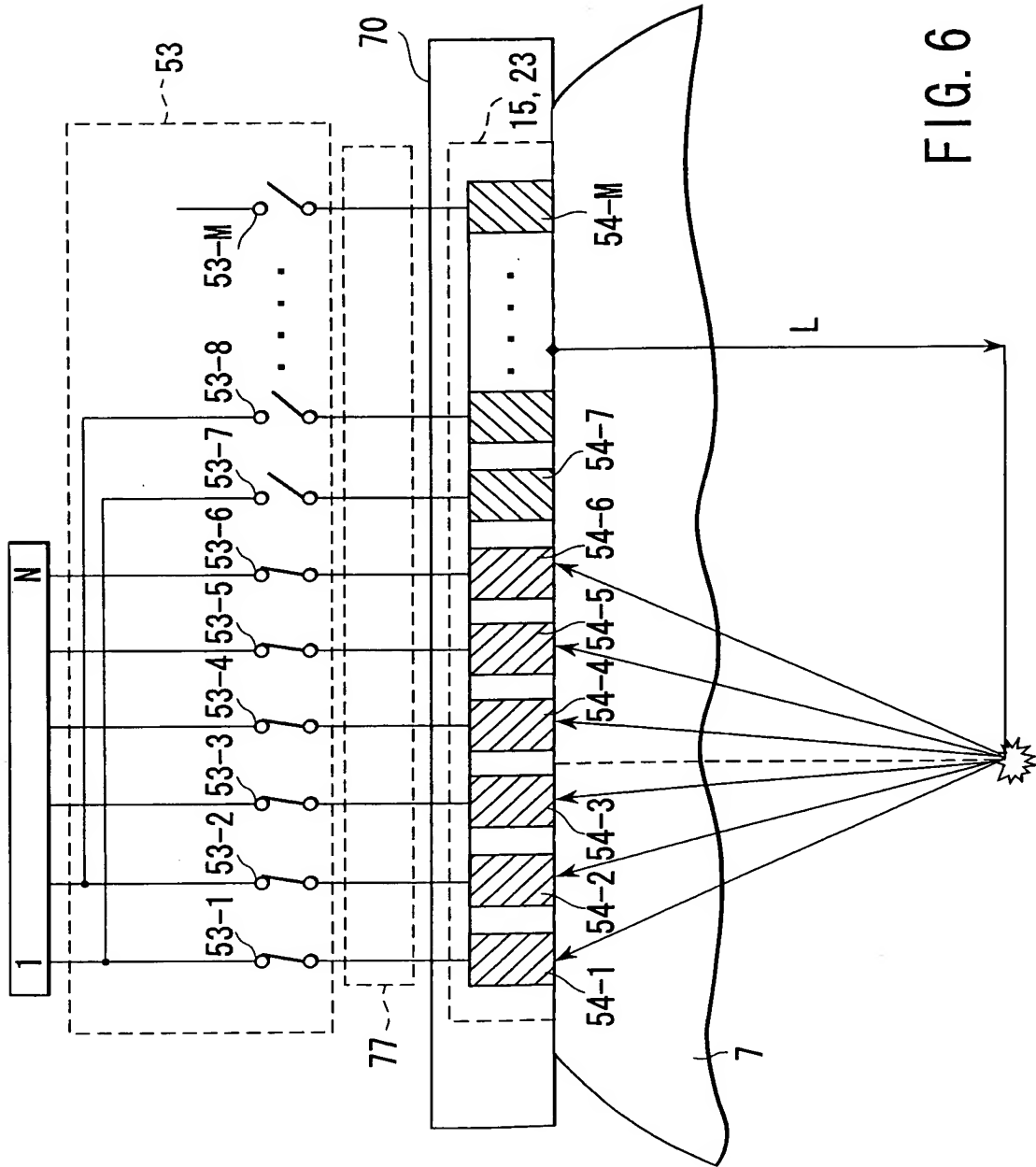


FIG. 6

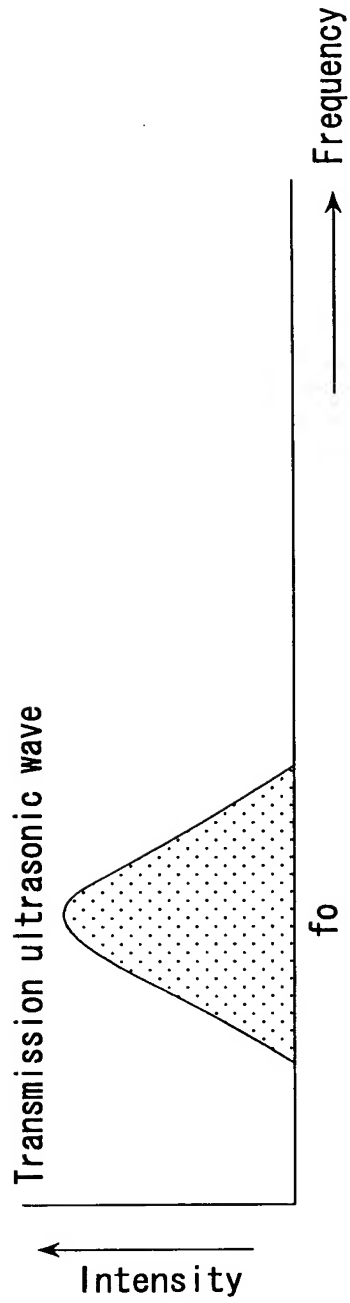


FIG. 7A

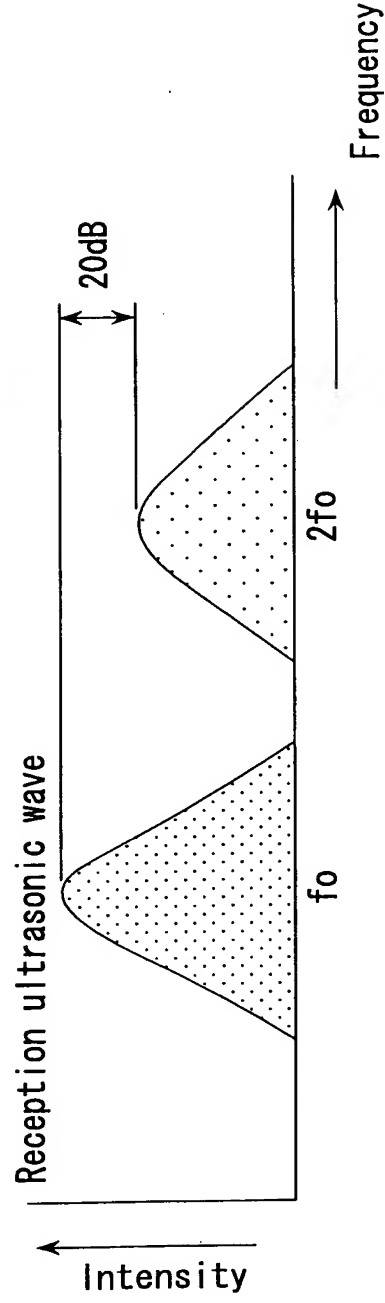


FIG. 7B

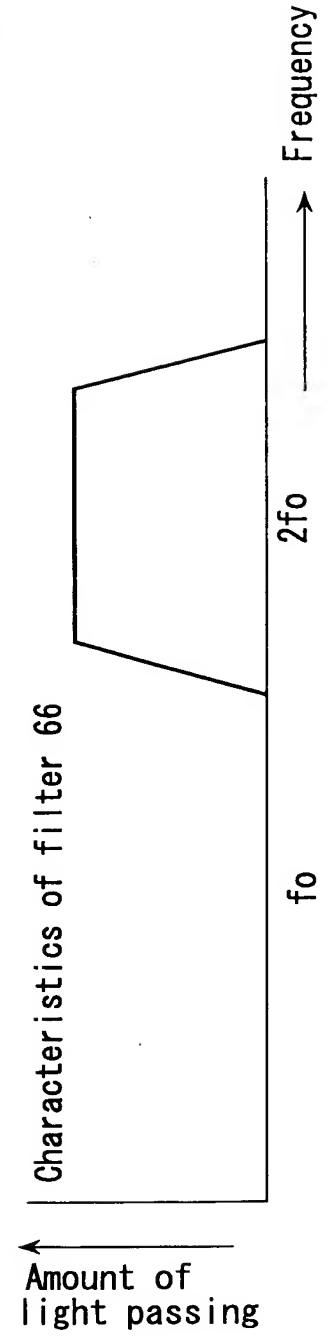
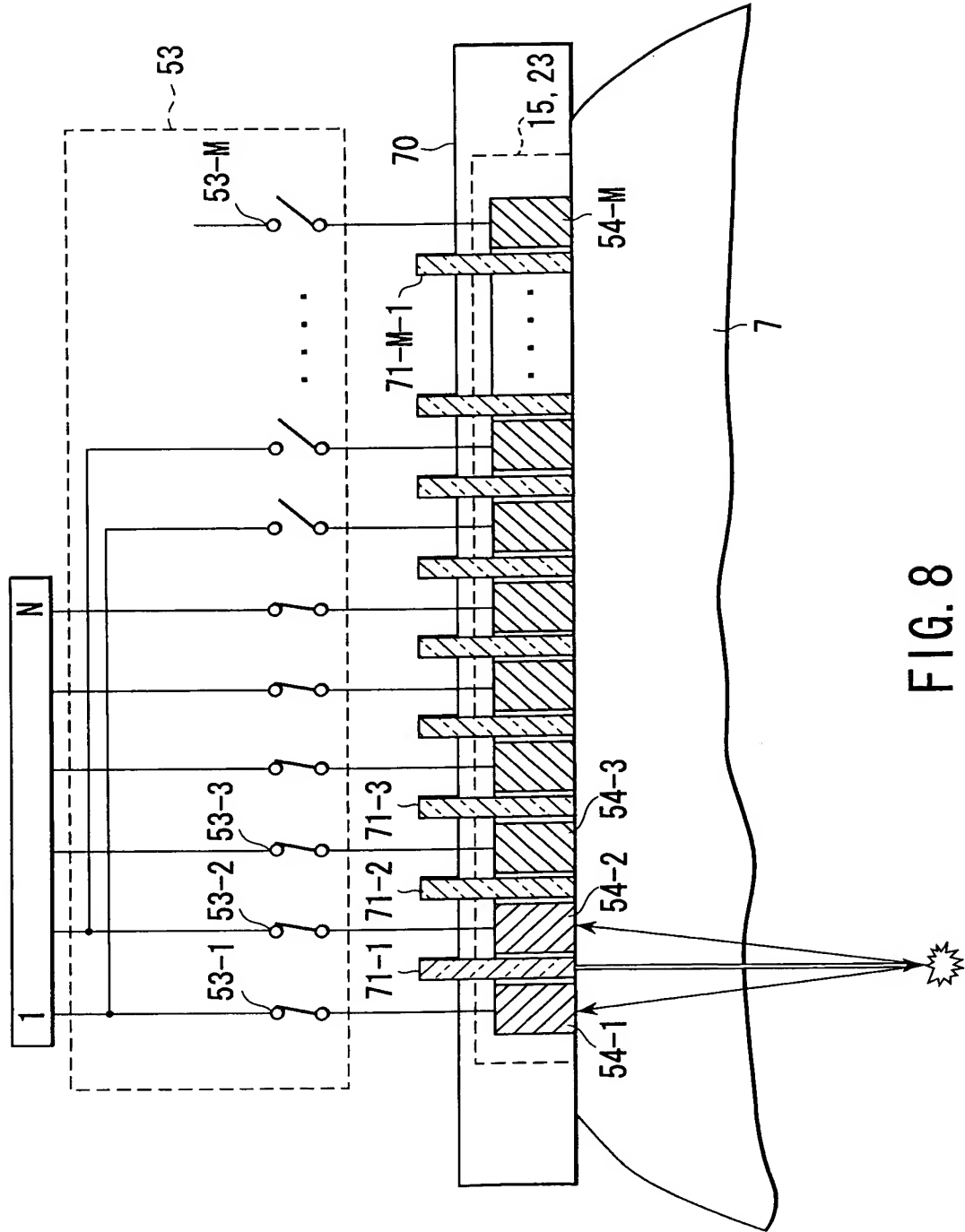


FIG. 7C



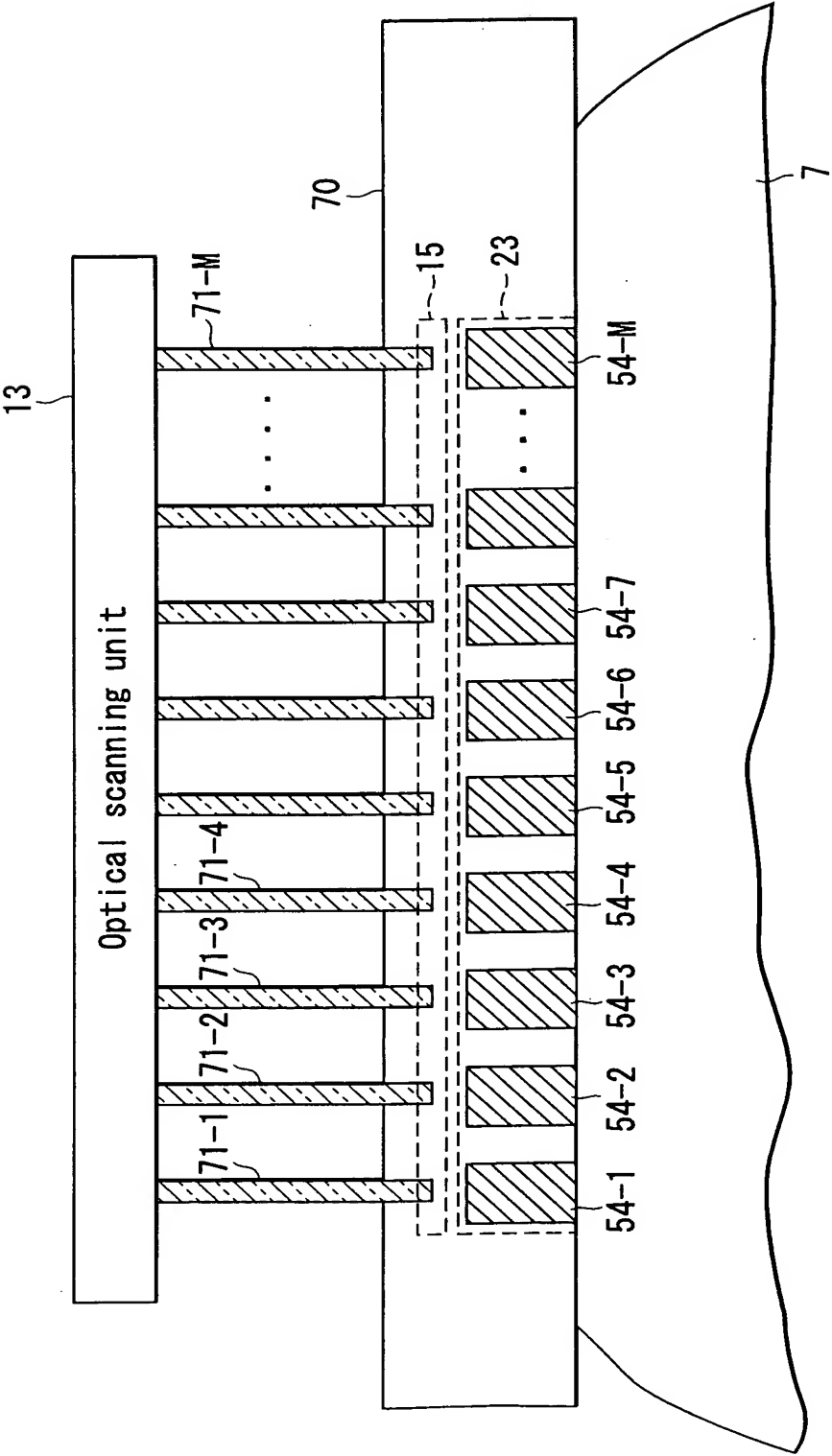
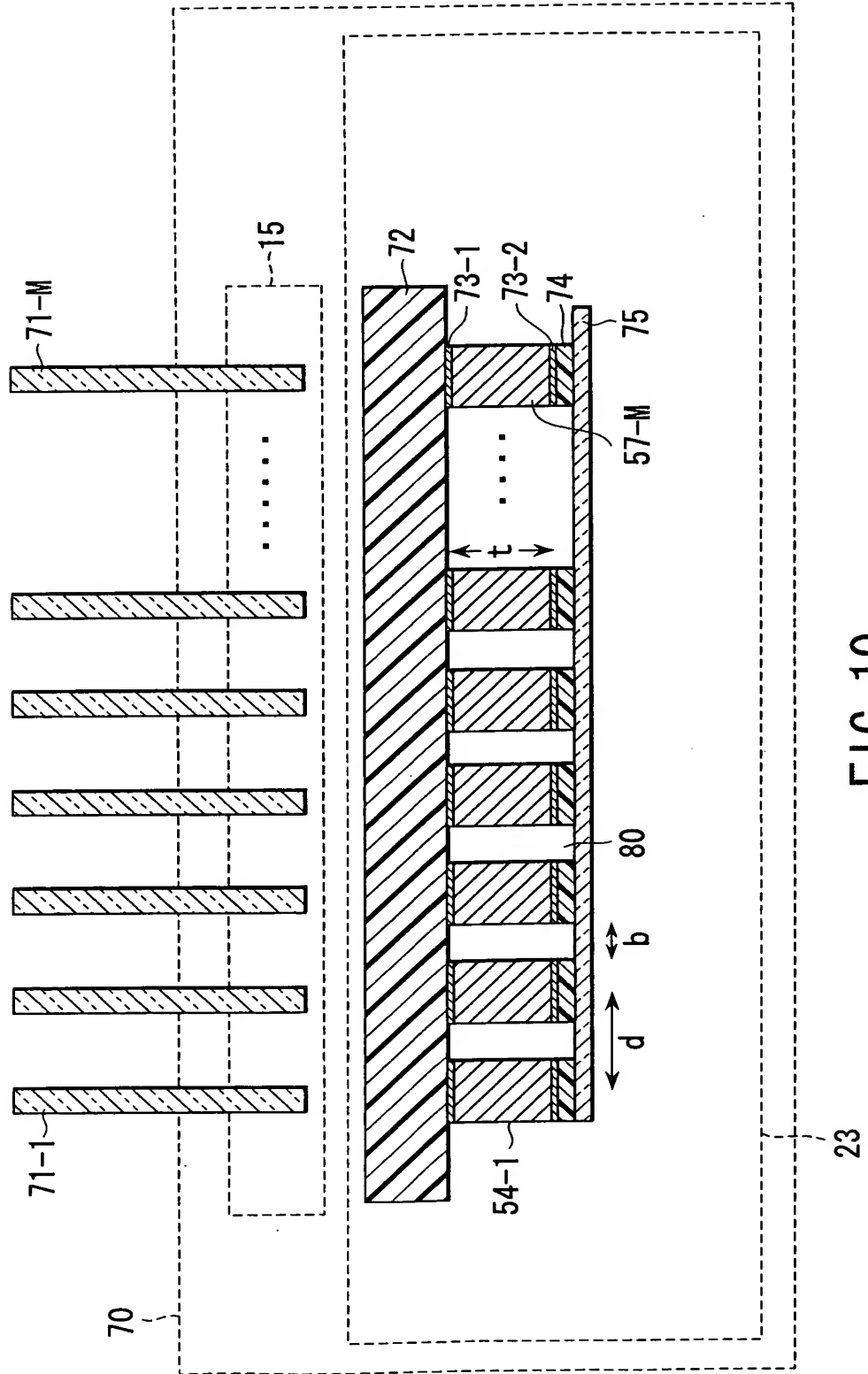


FIG. 9



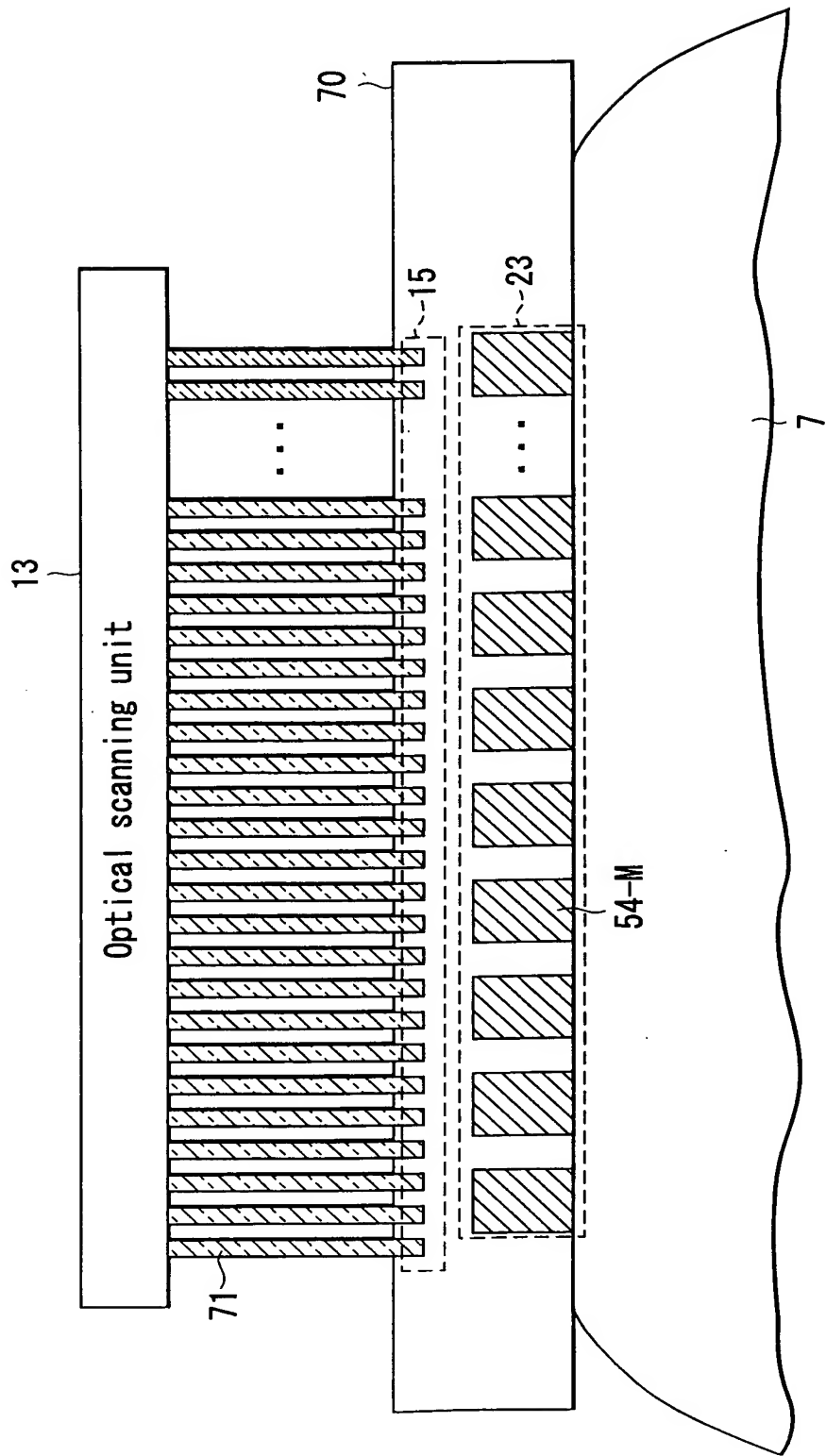


FIG. 11

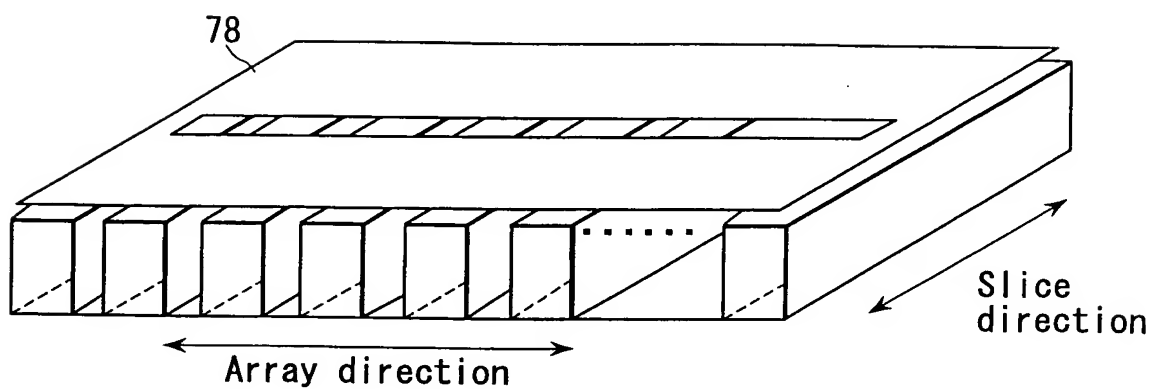


FIG. 12A

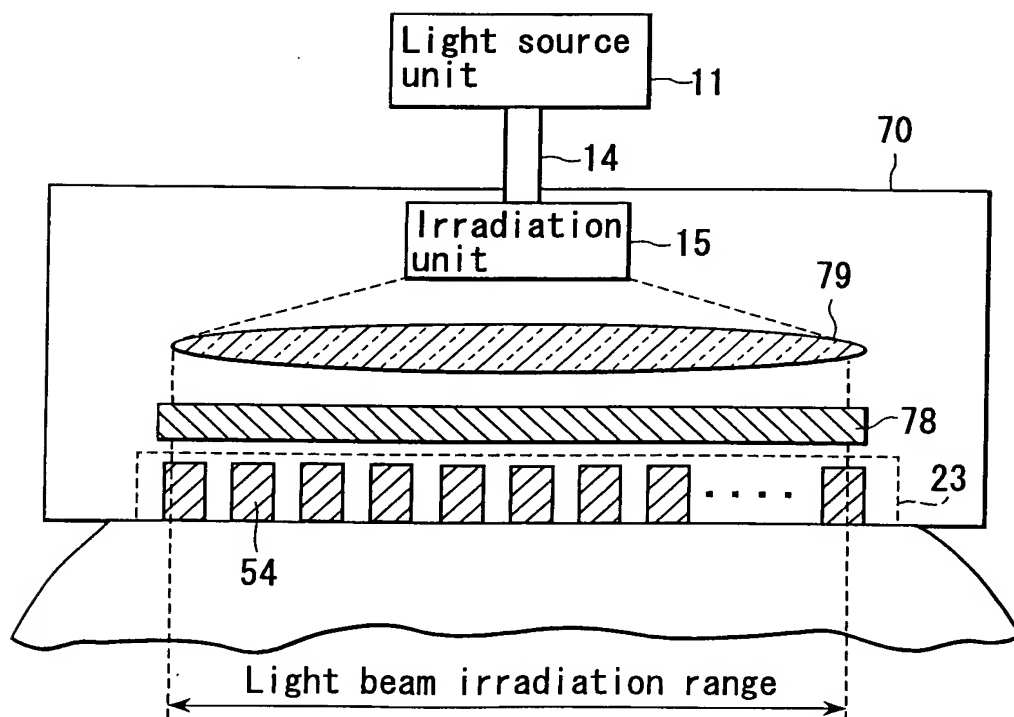


FIG. 12B

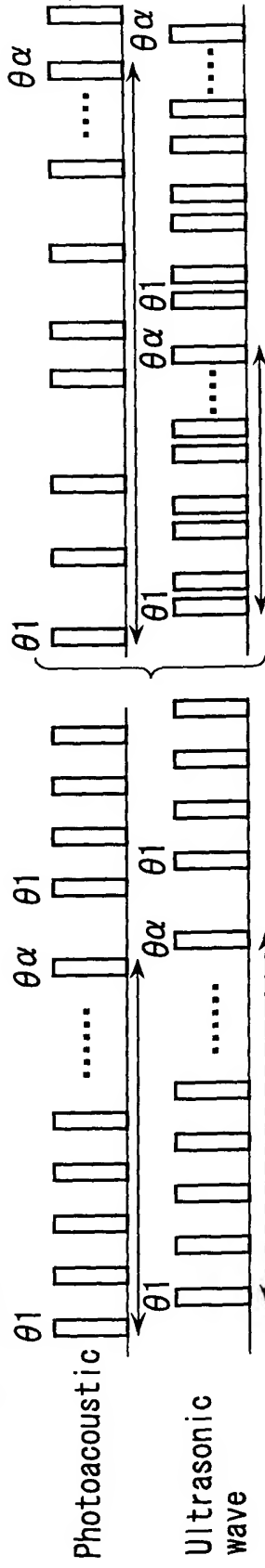
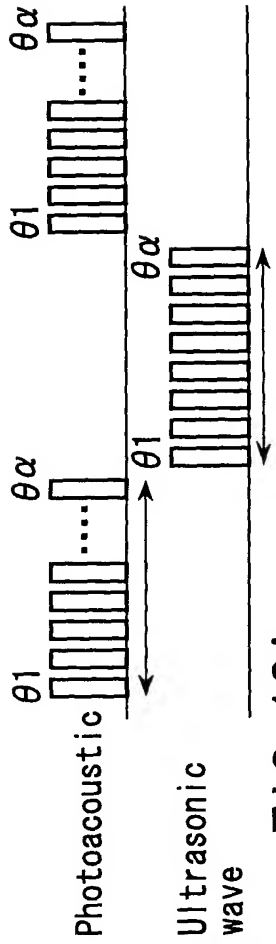
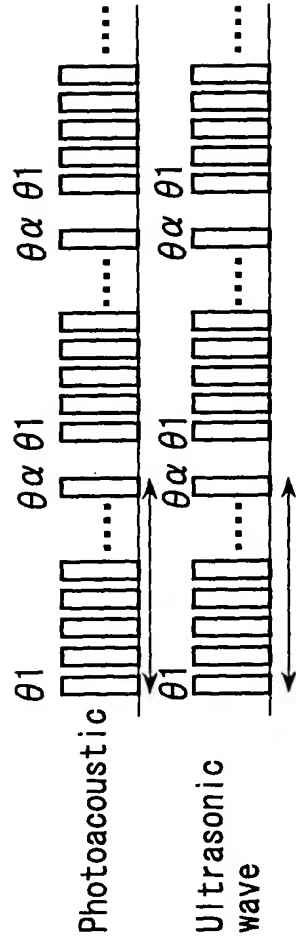


FIG. 13D



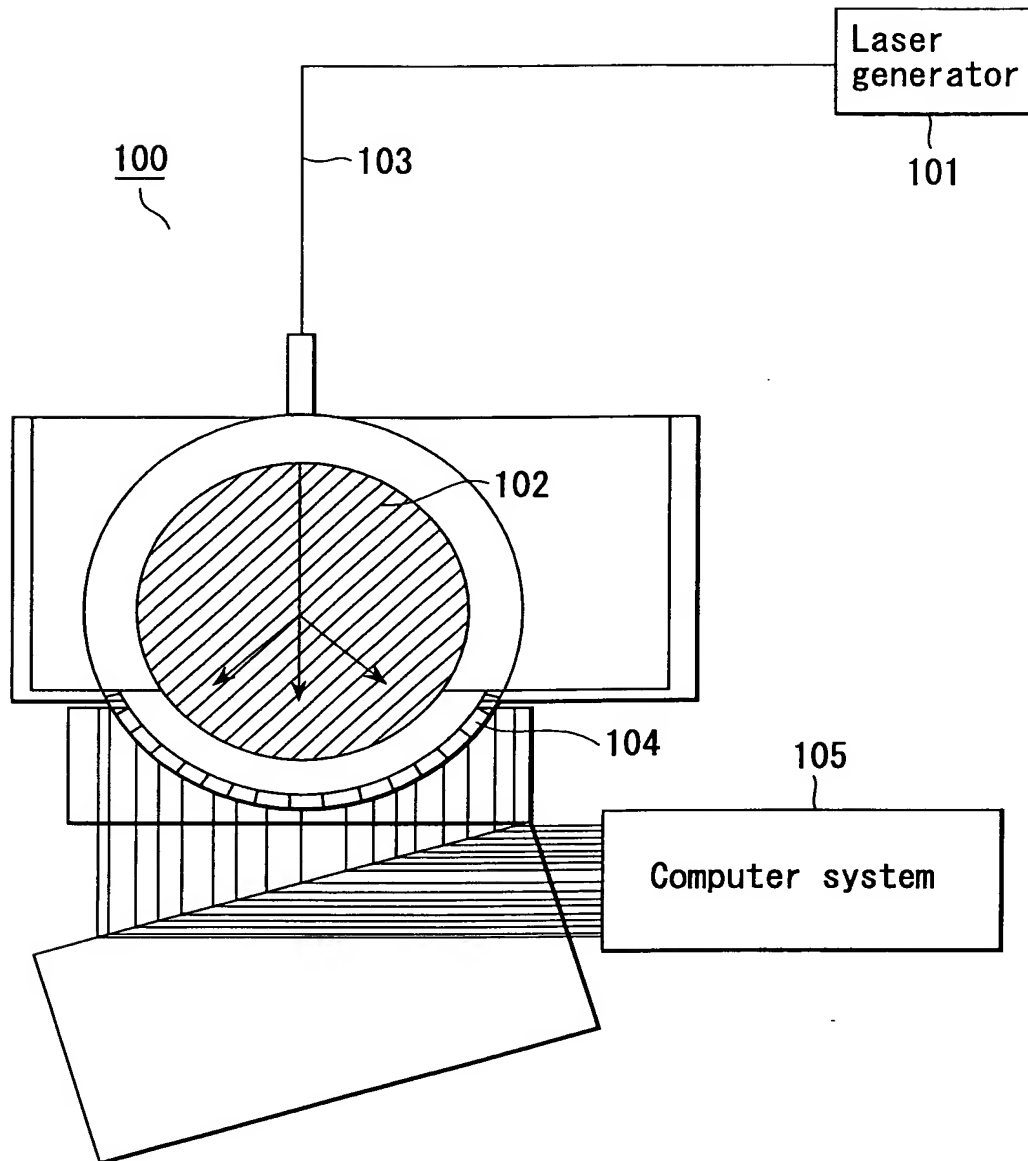


FIG. 14

PZNT single-crystal wafer

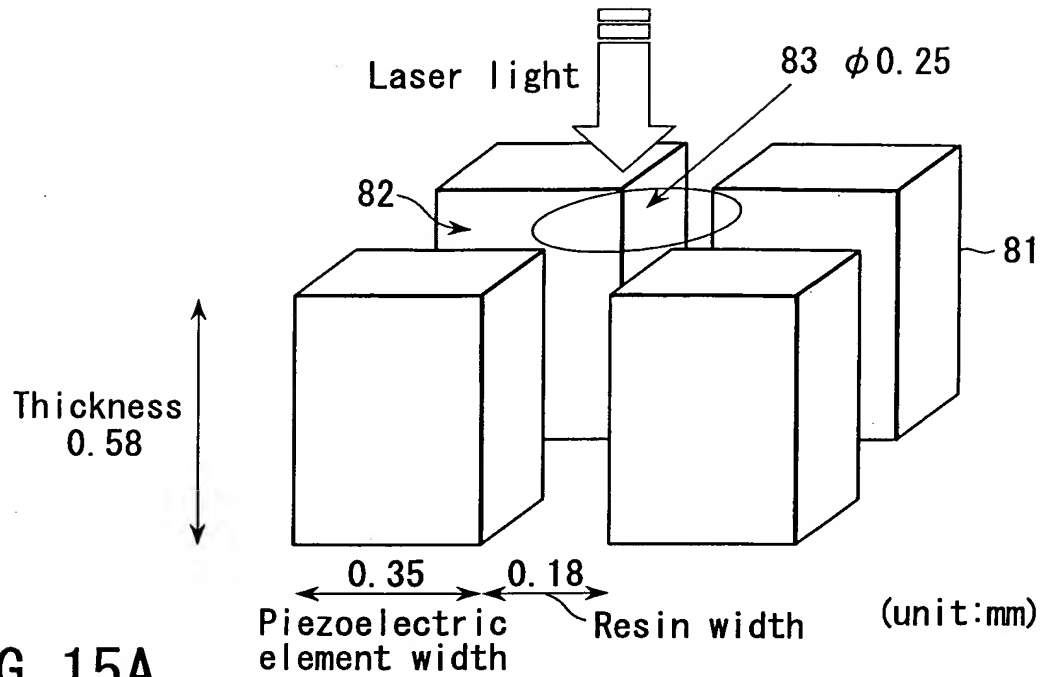


FIG. 15A

PZT ceramic material

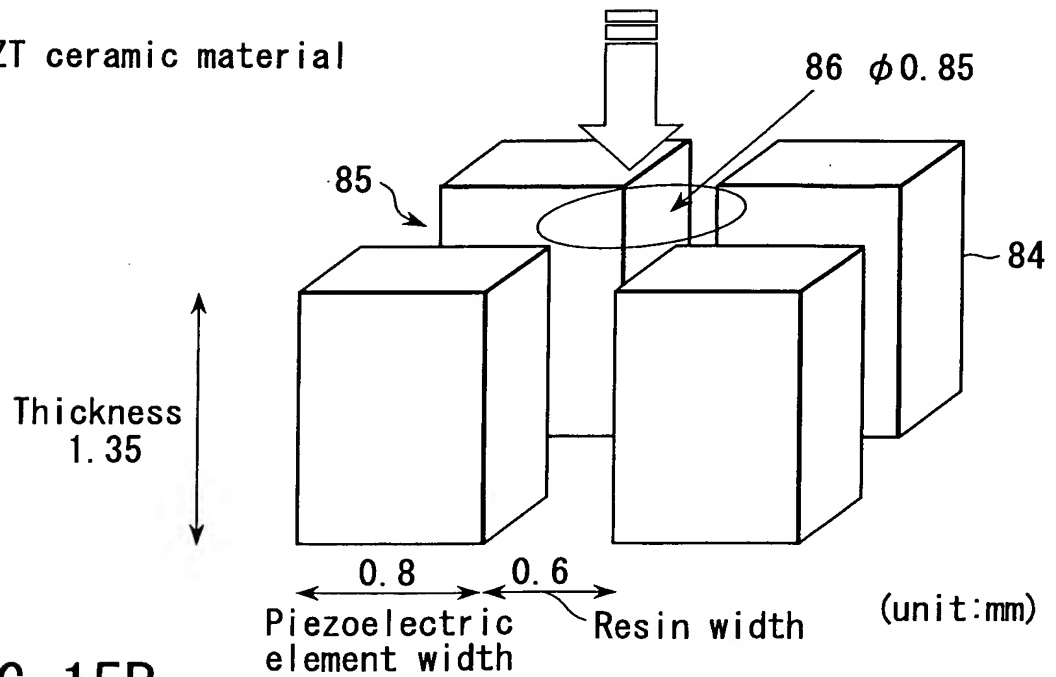


FIG. 15B

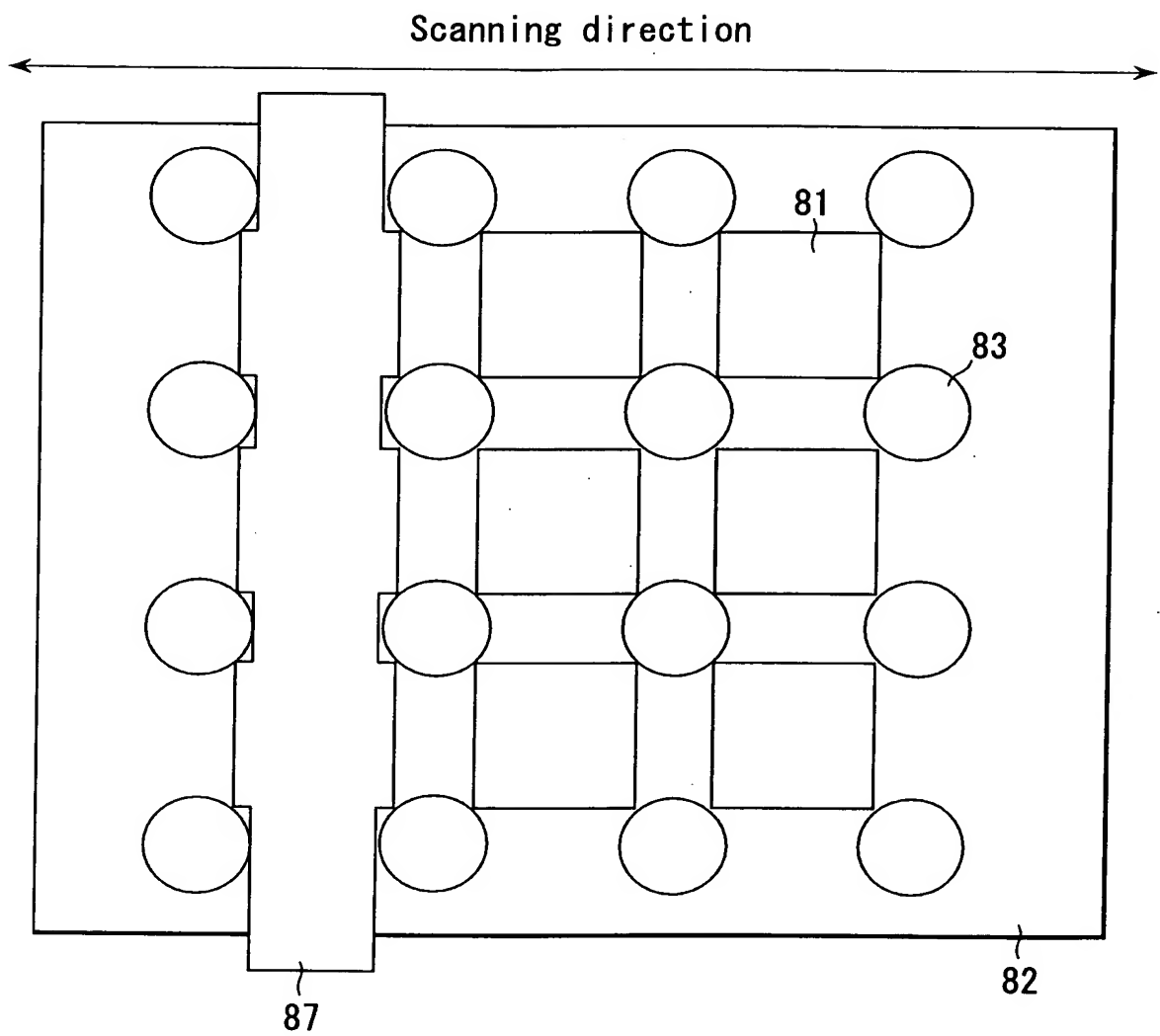
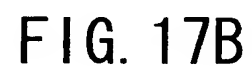
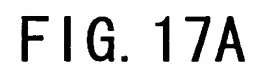


FIG. 16



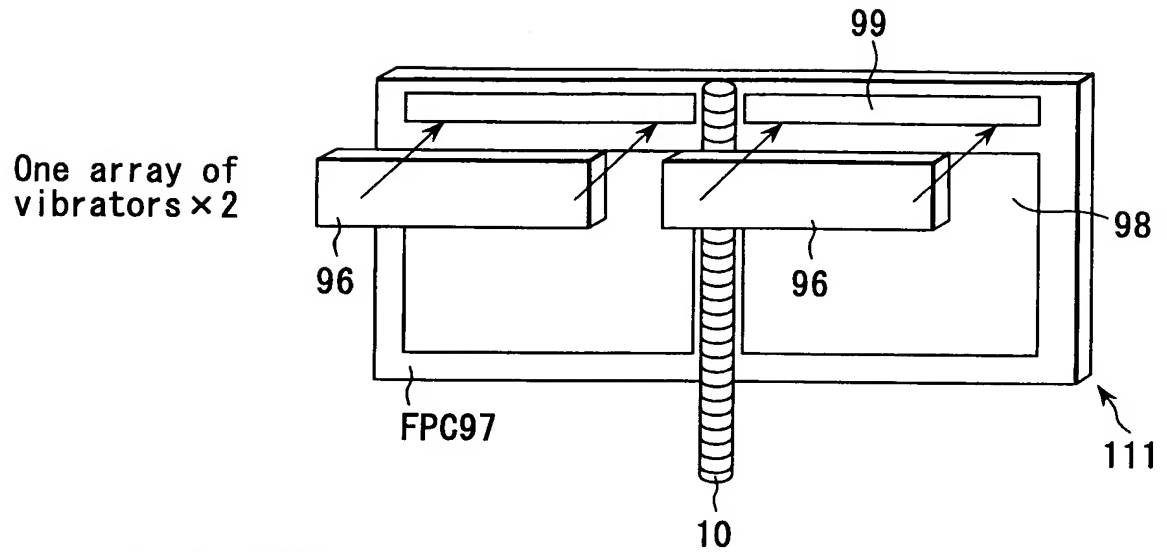


FIG. 18A

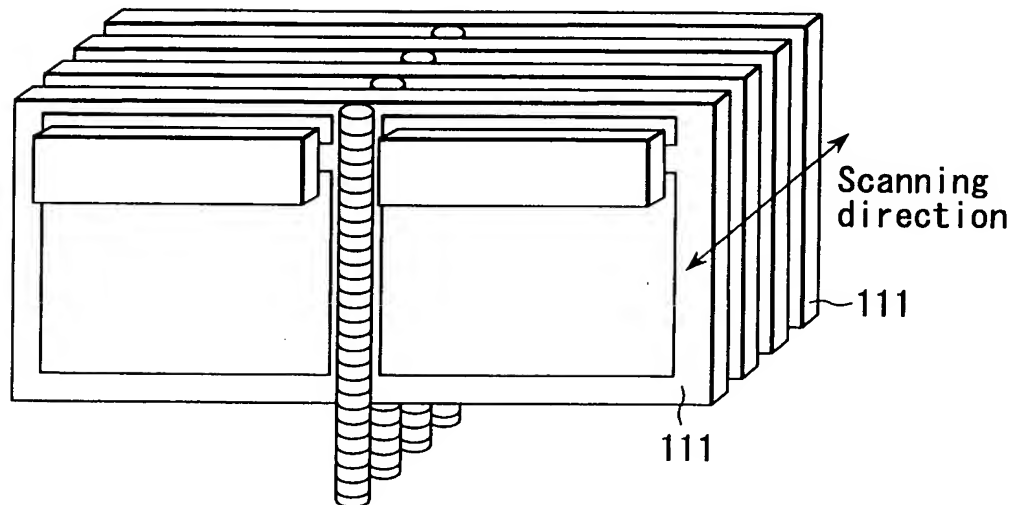


FIG. 18B